

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
15 April 2004 (15.04.2004)

PCT

(10) International Publication Number  
**WO 2004/032287 A1**

(51) International Patent Classification<sup>7</sup>: **H01R 13/629**

(21) International Application Number:  
PCT/US2003/030535

(22) International Filing Date:  
26 September 2003 (26.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
290655/2002 3 October 2002 (03.10.2002) JP

(71) Applicant (for all designated States except US): **MOLEX INCORPORATED** [US/US]; 2222 Wellington Court, Lisle, IL 60532 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MATSUMOTO, Yasuyoshi** [JP/JP]; Heights-Ichikawa-Daisan #305, 12-19 Chuo, 6-Chome, Yamato-shi, Kanagawa 242-0021 (JP). **TOMITA, Mitsuhiko** [JP/JP]; 6-5-719 Nishi-tsuruma, 3-chome, Yamato-shi, Kanagawa 242-0005 (JP).

(74) Agents: **CALDWELL, Stacey, E. et al.**; Molex Incorporated, 2222 Wellington Court, Lisle, IL 60532 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

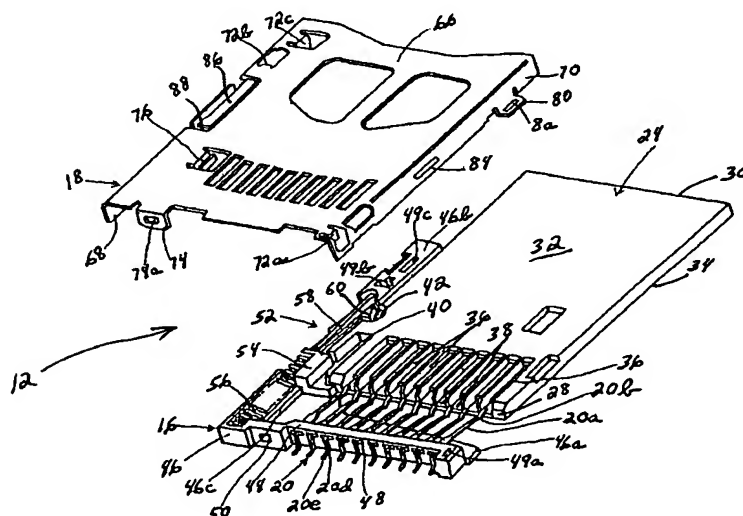
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **MEMORY CARD CONNECTOR**



(57) **Abstract:** A memory card connector includes a front receptacle area communicating with an interior cavity for receiving a memory card. The connector has an L-shaped insulating housing which includes a rear terminal-mounting section extending transversely across a rear of the cavity, and a longitudinal side wall section extending forwardly of one end of the rear section defining one side of the cavity. A plurality of terminals are mounted in a side-by-side array along the rear terminal-mounting section of the housing and have contact portions at a rear of the cavity for engaging contacts on the memory card. A metal shell covers at least a portion of the insulating housing and includes a cover plate defining a top of the cavity and a longitudinal side wall plate depending from the cover plate and defining a side of the cavity opposite said side defined by the longitudinal side wall section of the housing.

BEST AVAILABLE COPY